

HARIKA BANDELA

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EDUCATION

Masters in information technology - Project Management

Arizona State University, Tempe, AZ

January 2022 - December 2023

GPA: 4.00/4.00

Bachelor of Technology in Information Technology

Bhoj Reddy Engineering College for Women - Hyderabad, India

August 2017 - August 2021

GPA: 8.10/10.00

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, Scala, C#.

Web Technologies/Frameworks: HTML5, CSS, Bootstrap, React, jQuery, Angular.

Tools & OS: Linux, Windows, Git, MacOS, ASP.NET Framework.

Databases & Cloud: MySQL, MongoDB, Microsoft SQL Server, PostgreSQL, AWS.

Relevant Courses: Data Structures and Algorithms, Database Management Systems, Data Visualization.

PROFESSIONAL EXPERIENCE

Service Delivery Engineer

Dell Technologies

August 2021 - December 2021

Bangalore, India

- Strengthened technical solutions for 15+ clients, integrating VMware, backup/recovery, ITIL, Agile, Scrum, and DevOps.
- Executed ETL from a SQL database with 10,000 transactions and created a dashboard in Microsoft Power BI.
- Innovated monitoring solution that visualized and analyzed metrics using the Prometheus tool, Kubernetes, and CI/CD practices to generate alerts and improve system reliability by 25%.
- Automated troubleshooting based on infrastructure, platform, network issues using Java 8 and Spring Boot.

Software Engineer Intern

Void Main Technologies

January 2021 - June 2021

Hyderabad, India

- Deployed an eCommerce website using Django, Python, Bootstrap, HTML, CSS, and JavaScript, achieving 100% uptime.
- Linked PayPal as a payment method and designed a user-friendly checkout flow for both registered and guest users.
- Optimized Response time by 15% by resolving bugs to optimize web APIs and provide a smooth user experience.

Software Engineer Intern

Wstazure Software Solutions

July 2020 - December 2020

Hyderabad, India

- Developed and implemented a new feature to improve system performance by reducing query response time by 30%.
- Collaborated with design team to implement a responsive user interface, resulting in 20% increase in user satisfaction.
- Evaluated 20 code submissions, incorporating REST API best practices, reducing bugs by 15%, improving code quality, and enhancing data integrity through continuous integration of cloud-based microservices.

PROJECTS

Social Research Organization Web Application (Capstone Project), ASU

April 2023 - May 2023

- Empowered automatic scaling using a launch template, resulting in a 50% reduction in server downtime during peak traffic.
- Configured SSL/TLS encryption and secured application, reducing risk of unauthorized access by 70%.
- Integrated AWS Systems Manager Parameter Store with AWS Lambda for automated parameter updates.

Chatbot Broadcasting Server, ASU

April 2022 - May 2022

- Implemented deployment of chat server, providing user access, and broadcasting capabilities, leading a team of 3.
- Transformed a chat server using Python, and TCP Sockets for 100% effective communication and functionality.

Student Admission Management System, ASU

March 2022 - April 2022

- Engineered an interactive platform to maintain records of 500,000 users and transactions of admission management.
- Modelled data using Docker to deploy, NoSQL, and JSON for storing and modifying student data in database.

On-Road Vehicle Breakdown Assistance Finder, BRECW

January 2021 - April 2021

- Developed an Android app in Android Studio using Java and Google Maps API, resulting in a 90% increase in issue resolution for drivers seeking vehicle breakdown assistance, while incorporating Firebase Cloud Messaging for effective communication between drivers and assistance providers.

ToDoMatic, BRECW

September 2020 - November 2020

- Customized web-based full-stack to-do app, built with Node.js, React, Express, and MongoDB.
- Verified with a responsive design optimized for multi-device compatibility, with a 20% increase in task completion rate and a 30% reduction in time spent on task management, enhancing productivity and user satisfaction.